

## ABSTRACT

A system and method for finding items related to an example item or a set of example items in a low processing power device with limited storage are provided. The system comprises relationship agents, an item relationship database, a synchronizer, and logic for finding related items. The relationship agents are embedded in a computing device separated from the low processing power device. The relationship agents automatically build relationship information between different items based on certain criteria, including temporal relevance, content relevance and people relevance. The item relationship database is formed by the relationship agents and stores the relationship information between different items. The synchronizer transfers the item relationship database, or a portion thereof, from the computing device to the low processing power device. Using queries to the transferred item relationship database, logic embedded in the low processing power device finds items related to the example item.